

胶质细胞谷氨酸运载蛋白 2 抗体

产品货号： mlR20325

英文名称： EAAT2

中文名称： 胶质细胞谷氨酸运载蛋白 2 抗体

别 名： EAAT2; Excitatory amino acid transporter 2; Excitotoxic amino acid transporter 2; Glial high affinity glutamate transporter; GLT 1; GLT1; Glutamate aspartate transporter II; SLC1A2; Sodium dependent glutamate aspartate transporter 2; Solute carrier family 1 glial high affinity glutamate transporter member 2; Solute carrier family 1 member 2; Excitatory amino acid transporter 2; GLT-1; SLC1A2; Sodium-dependent glutamate/aspartate transporter 2; Solute carrier family 1 member 2.

研究领域： 免疫学 神经生物学 通道蛋白

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Dog, Cow, Horse, Rabbit, Sheep,



产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分子量： 62kDa

细胞定位： 细胞膜

性状： Lyophilized or Liquid

浓度： 1mg/ml

免疫原： KLH conjugated synthetic peptide derived from human EAAT2:101-200/574 <Extracellular>

亚型： IgG

纯化方法： affinity purified by Protein A

储存液： Preservative: 15mM Sodium Azide, Constituents: 1% BSA, 0.01M PBS, pH 7.4

保存条件： Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

PubMed : PubMed

产品介绍 background:

This gene encodes a member of a family of solute transporter proteins. The membrane-bound protein is the principal transporter that clears the excitatory neurotransmitter glutamate from the extracellular space at synapses in the central nervous system. Glutamate clearance is necessary for proper synaptic activation and to prevent neuronal damage from excessive activation of glutamate receptors. Mutations in and decreased expression of this protein are associated with amyotrophic lateral sclerosis. Alternatively spliced transcript variants of this gene have been identified. [provided by RefSeq, Sep 2010]

Function:

Transports L-glutamate and also L- and D-aspartate. Essential for terminating the postsynaptic action of glutamate by rapidly removing released glutamate from the synaptic cleft. Acts as a symport by cotransporting sodium. Subunit : Homotrimer. Interacts with AJUBA.

Subcellular Location:

Membrane; Multi-pass membrane protein.

Tissue Specificity:

Brain

Post-translational modifications:

Glycosylated.

Palmitoylation at Cys-38 is not required for correct subcellular localization, but is important for glutamate uptake activity.

Similarity:

Belongs to the sodium:dicarboxylate (SDF) symporter (TC 2.A.23) family. SLC1A2 subfamily.

SWISS:

P43004

Gene ID:

6506

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

产品图片

